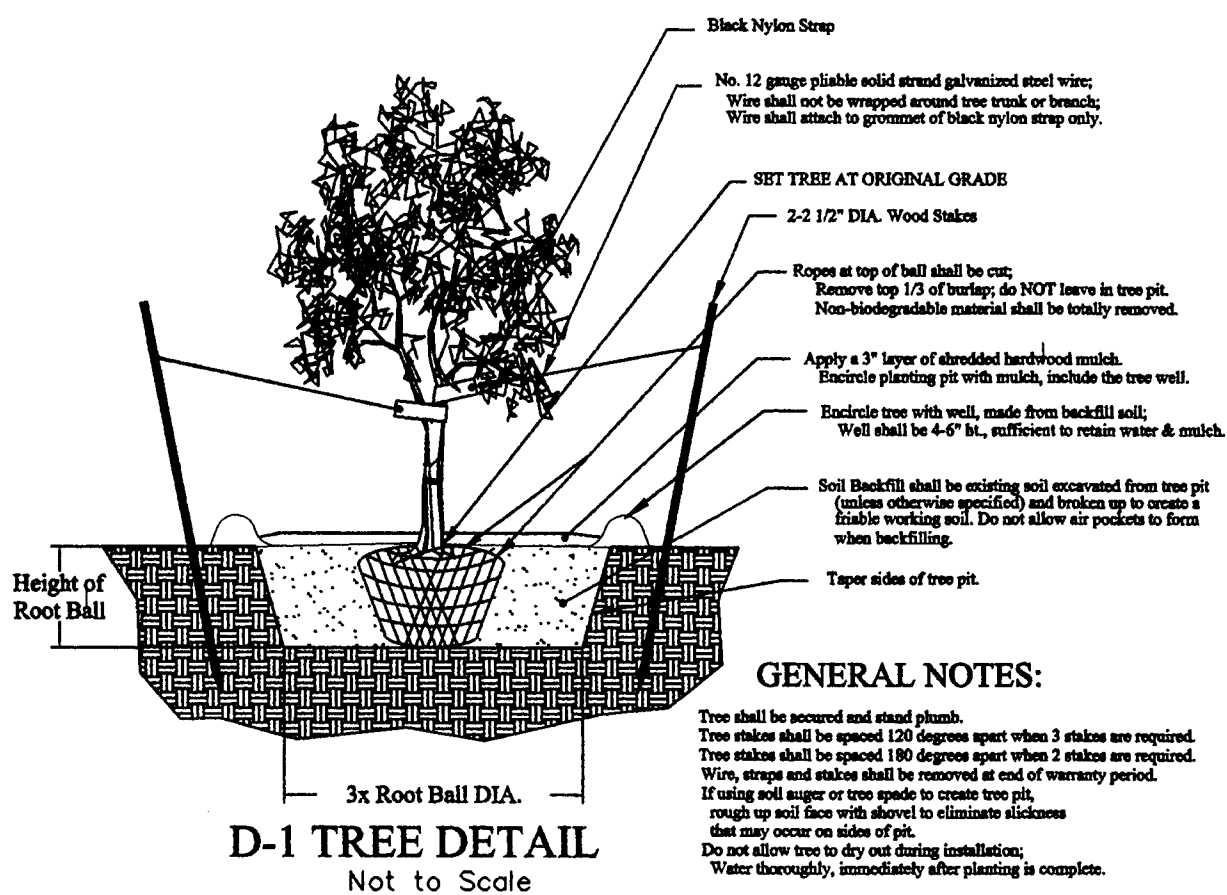
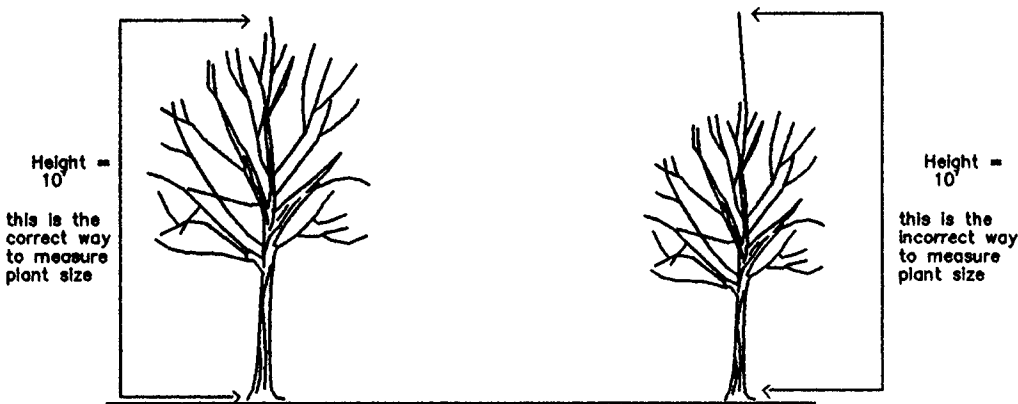


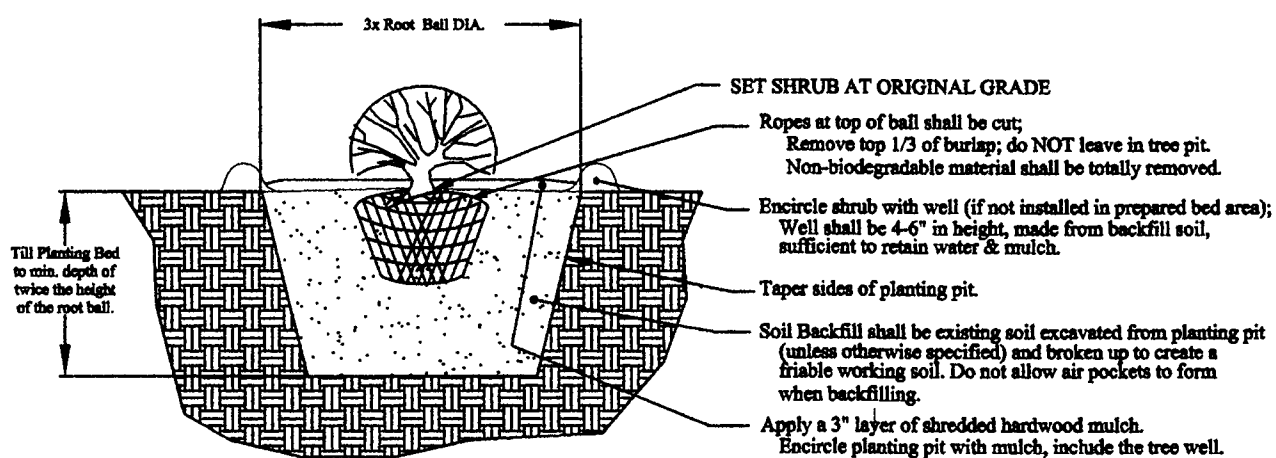
PLANT SIZE SPECIFICATIONS

When applying specified height to trees and shrubs to be planted on the site, minimum height or width applies to the average height or width of the tree or shrub, not the tallest or longest branch of applicable tree or shrub. SEE BELOW.

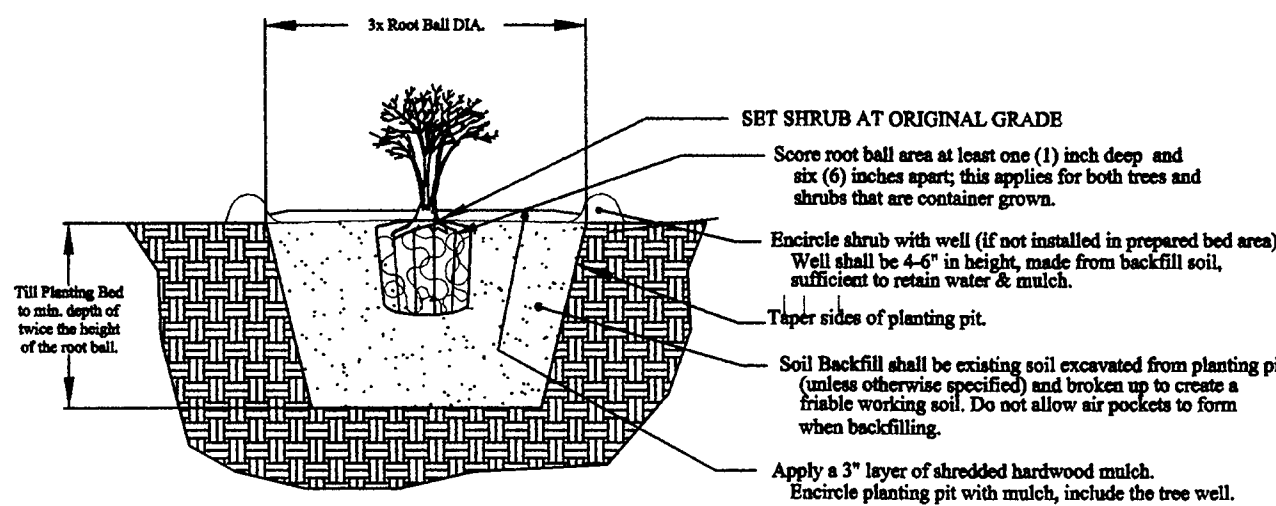


GENERAL NOTES:

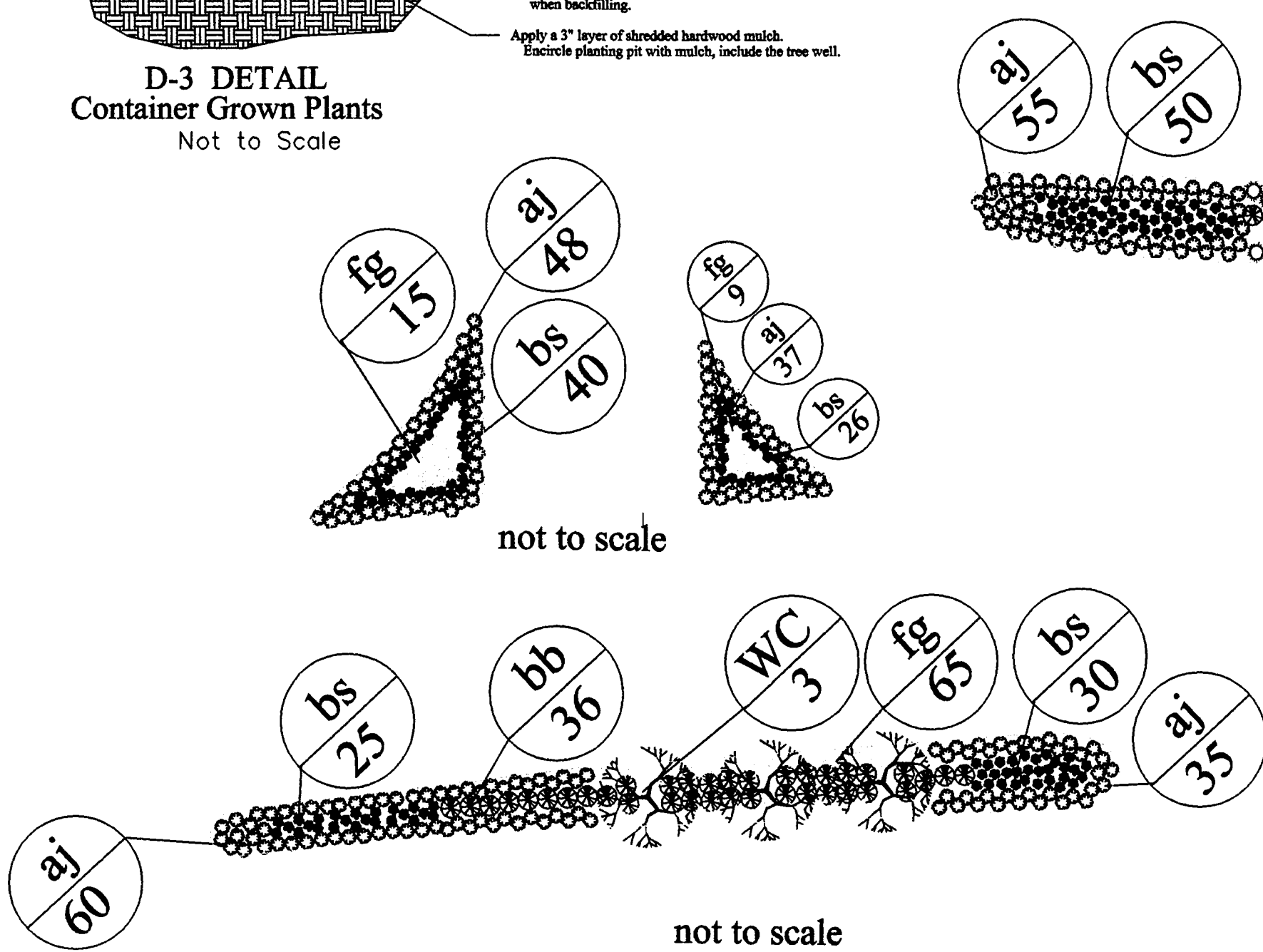
Plants shall be secure and stand plumb.
Minimum root spread to be in accordance with American Standards for Nursery Stock.
Prune all dead and damaged limbs and roots.
If using soil auger or tree spade to create planting pit, rough up soil face with shovel to eliminate slickness that may occur on sides of pit.
Do not allow roots to dry out during installation.
Water thoroughly, immediately after planting is complete.



D-2 SHRUB DETAIL
Balled & Burlapped
Not to Scale



D-3 DETAIL
Container Grown Plants
Not to Scale



GENERAL SPECIFICATIONS

PART 1 - GENERAL

1.1 DESCRIPTION

A. The specified work includes the furnishing of all materials, equipment, labor, and supervision required for the planting of trees, shrubs and ground cover. Complete the work shown on the drawings and as herein specified.

1.2 QUALITY ASSURANCE

A. Nomenclature. The names of the plants required on this plan conform with STANDARDIZED PLANT NAMES as adopted by the latest edition of the American Joint Committee of Horticulture Nomenclature. Varieties not included therein conform generally with names accepted in the nursery trade.
B. Comply with staking and grading standards of the latest edition of American Standard for Nursery Stock by the American Association of Nurserymen.

1.3 PROJECT CONDITIONS

A. Planting Operations shall be conducted under favorable weather conditions which are normal for such work as determined by accepted practice in the locality of the project. At the option of the Contractor, and on the full responsibility of the Contractor, the Contractor shall be responsible for the alignment of existing or new utility lines, ducts and buried cables. He shall field check the location of utilities before any installation of material or plants. The Contractor shall be responsible for all damages resulting from neglect or failure to comply with this requirement.
C. Protect existing utilities, paving, and other facilities from damage caused by landscaping operations.
D. A complete list of plants, including a schedule of sizes, quantities, and other requirements are under "PLANT LIST". In the event quantity discrepancies or material omissions occur in the plant materials list, the planting plans shall govern.
E. All work shall be accomplished under the direction of a competent, experienced foreman.

1.4 PLANT GUARANTEE AND REPLACEMENT

A. Guarantee. The Landscape Contractor shall guarantee all plants for one year from date of acceptance by the owner or his authorized representative, and that plants shall be alive and satisfactory growth. If within the guarantee period, inspection will be made by the owner or his authorized representative. This contract that is dead, is in an unhealthy, unsightly, or badly injured condition, as determined by the owner, shall be removed from the site. These plants shall be replaced at no extra cost to the owner. Replacement shall be done at the time of planting. Provide one year guarantee on any and all replacement plants.
C. Materials and Operations. All replacements shall be plants of the same kind and size as specified in the Plant List. They shall be furnished and planted as specified in planting details D-1 and D-2.
D. At the conclusion of the guarantee period, the Contractor shall remove all stakes, wires, nylon strap, and protective fencing from trees and remove them from the site.

PART 2 - PRODUCTS

2-1 MATERIALS

A. PLANTS

1. Quality and Size. Plants shall be nursery grown, have a habit of growth that is normal for the species and shall be sound, healthy, vigorous, and free from insect pests, plant diseases and injuries. All plants shall equal or exceed the measurements found in the Plant List, which are minimum acceptable sizes. They shall be measured before pruning, with branches in normal position. Any necessary pruning shall be done at the time of planting and will be consistent with the natural growth habit of each species. Requirements for the measurements, branching, grading, quality baling and burlapping of plants in the Plant List and shall follow the Code of Standards currently recommended by the American Association of Nurserymen in the AMERICAN ASSOCIATION OF NURSERYMEN STOCK.

2. Balled and Burlapped Plants. Plants designated as "B&B" in the Plant List shall be balled and burlapped. They shall be dug with a sufficient diameter and depth to encompass the three and feeding root system necessary for full recovery of the plant. Ball shall be firmly wrapped with burlap or similar material and bound with bands of cord. Where necessary to prevent breaking or cracking of the ball during the process of planting, the ball may be secured to a platform or wire basket.
3. Container Grown Plant. Plants designated "Cont." in the Plant List shall be container grown plants well established in the container size indicated, conforming to American Association of Nurserymen standards.

4. Protection After Delivery. The balls of B&B plants which cannot be planted immediately after delivery shall be covered with moist soil (2" depth) or mulch (3" depth). All plants shall be watered as necessary until planted.

B. MATERIALS FOR STAKING

1. Tree stakes shall be rough sawn straight groh oak, white, or red cedar or pressure treated pine. Stakes up to 10' long shall have a minimum diameter of 2 to 2 1/2 inches. Stakes over 10' long shall have a diameter of 3 inches. The maximum diameter of stakes shall not exceed approximately 4 inches. Stakes shall be pointed at one end and shall have a maximum deflection of 1/2 inch for every foot of length. All stakes shall be sound and free from bark, splits, insects and fungi.
2. Wire for fastening tree stakes shall be No. 12 gauge pliable solid strand galvanized steel.
3. Nylon Strap shall be used to attach to wire used for fastening trees to stakes. All nylon strap shall be black. Hose shall not be used to attach wire to trees due to possible injury to the tree.
4. Nylon Strap shall be used to attach to wire used for fastening trees to stakes. All nylon strap shall be black. Hose shall not be used to attach wire to trees due to possible injury to the tree.

PART 3 - EXECUTION

3.1 EXECUTION

A. Layout. The Contractor is responsible for verifying all site conditions in the field. New plantings shall be located where shown on the plans except where obstructions below ground or overhead are encountered or where changes have been made in the construction.
B. Obstructions Below Ground or Overhead. It is not contemplated that planting should be done where the depth of soil over underground construction, obstructions or debris is insufficient to accommodate the roots or where pockets of debris or impervious soil will require drainage. Where such conditions are encountered in excavation of planting areas and where the debris, concrete, or other obstructions cannot be broken and removed by hand methods in the course of digging plant pits of the usual size and where the locations for the planting may be designated. The Contractor is required to contact "Miss Utility" and no work is to begin until all underground utilities have been marked. Any damage to these lines during plant operations will be repaired by the Contractor in an approved manner and at no additional cost to the owner.
C. Soil Preparation. Soil for use in tree planting pits or a backfill should be the existing soil excavated from the pit. This existing soil should be broken up to create a friable working soil. Where group plantings occur, beds are to be prepared by tilling the soil, including the amendments of a rate of 1 part topsoil (when requested, otherwise use existing soil), 1 part peatmoss, and 2 parts perlite to a depth to accommodate new plant material, and not less than 12" deep. The bed should be outlined with a 4" deep x 6" wide trench in the shape indicated by the landscape design. Place of trenching soil into the beds and fill into bed.

3.2 INSTALLATION

A. Planting Pits. Reasonable care shall be exercised to have pits dug and soil prepared prior to moving plants to their respective locations. The minimum allowable dimensions of plant pits shall be as follows: depth should equal depth of root ball; for ball diameter or root spread, the pit diameter shall be 3 times the ball diameter or root spread. Where specified, pit diameter would conflict with existing pavement, the pit dimension can be adjusted accordingly; unless pavement removal is noted on the plan. SEE DETAILS D-1 & D-2.
B. Setting Plants. Unless otherwise specified, all plants shall be planted in pits, centered, and set on well compacted prepared soil mixture a minimum depth of 5 inches. The finished grade level of the plant, after settlement, will be the same as that of which the plant was grown. They shall be planted upright and faced to give the best appearance or relationship to adjacent structures. Ropes at top of root ball should be cut and the top 1/3 of burlap removed. Platform and surplus burlap from top and sides of the ball shall be removed. If a wire basket is present, whether galvanized or not, remove the entire basket. If removing the basket is impossible due to size of rootball or soil type, remove the top section of the basket or split the basket in half and fold it down in the planting hole. Backfill shall be placed and compacted carefully to avoid injury to roots and to fill all voids. When the hole is nearly filled, add water as necessary and allow it to settle. Fill the hole to finished grade.
C. When using container grown plants, score (cut) the root mass, if pot-bound, every 6 inches at least 1 inch deep and spread apart root system before planting. SEE DETAIL D-3.
D. Staking. Stakes shall be evenly spaced about each tree and shall be driven vertically into the ground to a depth as detailed and in such a manner as not to injure ball or roots. Trees of less than 3" caliper shall be fastened to three stakes, unless otherwise specified. Stakes shall be uniform in height and placed as designated in the detail. SEE DETAIL D-1.
E. Mulching. All plants shall be mulched with a 3" mounded layer of shredded hardwood mulch. The mulch shall entirely cover the designated planting beds.

3.3 CLEAN-UP

A. Clean-up of Site. At the end of each day's work, the Contractor shall remove all trash and other debris resulting from his work from the site. At all times, rubbish and trash generated from the Contractor shall be kept clear for vehicular and pedestrian circulation throughout the site. Prior to final acceptance, all paved areas adjacent to planting areas shall be cleaned thoroughly by sweeping and/or washing. All construction equipment, excess materials, tools, rubbish or debris shall be removed from the site. All debris on the site which has accumulated soil, mulch or any other material due to the planting operation, shall be cleaned to the approval of the owner.

SECOND STREET LANDSCAPE CORRIDOR PLAN PLANT LIST

KEY	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
OP	'Cleveland Select' Pear	Pyrus calleryana 'Cleveland Select'	2" caliper	20
RD	Dawn Redwood	Metasequoia glyptostroboides	2" caliper	13
WC	Weeping Cherry	Prunus subhirtella 'Pendula'	2" caliper	11
WK	Winter King Hawthorn	Crataegus viridis 'Winter King'	2" caliper	59
Z	Zeakova	Zeakova serrata 'Green Vase'	2" caliper	23
DC	Deodora Cedar	Cedrus deodara	8-10' height	12
bs	Black Eyed Susan	Rudbeckia fulgida 'Goldsturm'	1 gallon	221
bb	Burning Bush	Euonymus alatus 'Compacts'	24-30" height	181
fg	Fountain Grass	Pennisetum alopecuroides 'Moudry'	1 gallon	241
aj	Andorra Juniper	Juniperus horizontalis 'Youngstown'	12-18" width	290
n	Nandina Harbor Dwarf	Nandina domestica 'Harbor Dwarf'	20-24" height	219

General Notes

YORK COUNTY
Merrimac Trail/Second Street
Landscape Corridor Plan

No. Revision/Issue Date

Firm Name and Address
Kristine P. Hall
Landscape Design/Certified Arborist/
Virginia Certified Nurseryman
1 Jennisons Fall
Hampton, Virginia 23669
ph. (757) 722-7954

Project Name and Address
Merrimac Trail/Second Street
Landscape Corridor Plan

Project /2nd street Sheet
Date July 2006 5 of 5
Scale not to scale